# DTHD06-1-8S-E003 ✓ ACTIVE

#### DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-8S-E003

Housing for Female Terminals, Wire-to-Wire, 1 Position, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTHD Housings











Connector System: Wire-to-Wire

Number of Positions: 1

Connector & Housing Type: Housing for Female Terminals

Sealable: Yes

Mating Pin Diameter: 3.61 mm [ .142 in ]

All DEUTSCH DTHD Housings (14)

### Features

### **Product Type Features**

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

### **Configuration Features**

Connector Modification	End Cap
Number of Positions	1
Number of Rows	0

#### **Electrical Characteristics**

Operating Voltage	250 VAC	



Nominal Voltage Architecture	12 V, 24 V, 48 V
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Contact Features	
Contact Size	Size 8
Contact Type	Socket
Mating Pin Diameter	3.61 mm[.142 in]
Contact Current Rating (Max)	60 A
Mechanical Attachment	
Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	PEI (Polyetherimide)
Dimensions	
Connector Height	21.87 mm[.861 in]
Product Width	16.76 mm[.66 in]
Product Length	39.32 mm[1.548 in]
Compatible Insulation Diameter Range	4.83 – 6.09 mm[.19 – .24 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	

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Circuit Application Power

### **Industry Standards**

Degree of Protection	Not Tested
UL Flammability Rating	Not tested

### Packaging Features



Packaging Quantity	1000
Packaging Method	Box
Other	
Serviceable	Yes
Connector Position Assurance Capable	No

### **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)  Candidate List Declared Against: JUNE 2023 (235)  SVHC > Threshold:  Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)  Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)  Decamethylcyclopentasiloxane (D5) (.5% in Component Part)  Article Safe Usage Statements:  Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# **Compatible Parts**







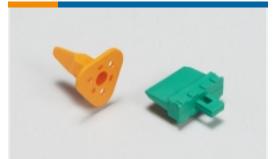




## Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(74)



Automotive Housings(658)



Connector Backshells(60)



Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)

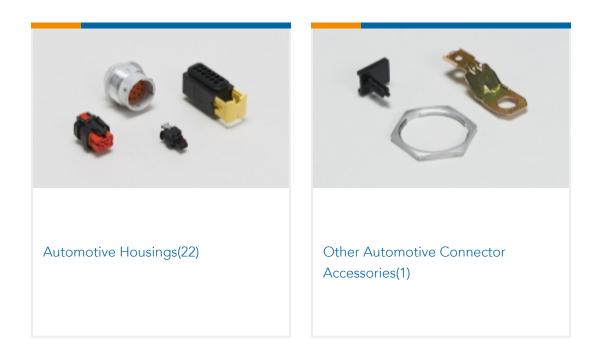


Other Automotive Connector Accessories(27)



Also in the Series | DEUTSCH DTHD





# Customers Also Bought













### **Documents**

**Product Drawings** 

PLG, 1P, BLK, N, SIZE 8, CAP

English

#### **CAD Files**

Customer View Model

ENG\_CVM\_CVM\_DTHD06-1-8S-E003\_99.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_DTHD06-1-8S-E003\_99.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DTHD06-1-8S-E003\_99.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Housing for Female Terminals, Wire-to-Wire, 1 Position, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid



Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

**CONNECTOR SELECTOR** 

English

**Product Specifications** 

**Application Specification** 

English